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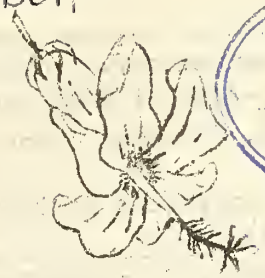

THE HAWAIIAN BOTANICAL SOCIETY

NEWSLETTER

Vol. I, No. 4 | Honolulu, Hawaii | May 1962

NEXT MEETING

May 10, 1962 - Thursday*
PLACE: Agee Hall, Experiment Station of the Hawaiian Sugar Planters' Association, 1527 Keeaumoku Street, Honolulu 14.
SUBJECT: "The gonophyll theory: a new interpretation of the angiosperm flower."
SPEAKER: Dr. R. Melville, Botanist, The Herbarium and Library, Royal Botanic Gardens, Kew, Richmond, Surrey, Great Britain.
This special lecture, which is being sponsored jointly by the Hawaiian Botanical Society, Hawaiian Academy of Science, and Sigma Xi, begins at 8 p. m.

Botanical Society members are asked to come early to attend a 7:30 business meeting.
* Please note deviation from the usual meeting time. The meeting in June will be held on the first Monday (June 4).

NEW MEMBERS: The following were elected to Society membership on April 2.
Bernice Pauahi Bishop Museum: Dr. Roland W. Force (director).
Plant Quarantine Division, Agricultural Research Service, U. S. Department of Agriculture: Robert E. Fraker and Charles D. Nigro.
Department of Horticulture, University of Hawaii: Dr. Beyoung H. Kwack and P. R. Jagadees Prasad.

Nominations for membership ("Any person . . . interested in plant life") should be sent to the Membership Committee Chairman, Dr. Constance Hartt (H.S.P.A. Experiment Station, Honolulu 14).

MEMBERSHIP INFORMATION: Please return the index form which was distributed to Society members on or before the May 10 meeting. It may be mailed to the Secretary or given to him at the meeting. The information will be used for a catalog, and portions will be utilized for the membership directory. Since some may have lost or misplaced the questionnaire, an additional copy is attached to this issue of the newsletter.

HAWAIIAN ACADEMY OF SCIENCE:
The final (Spring) session of the 37th annual meeting of the Academy will be held on April 25 & 26 (Wednesday and Thursday), 7:30 p.m., at Agee Hall.
The banquet will begin at 7 p.m. on Saturday, April 28. Society member Dr. Alexander Spoehr (Academy President) will be the speaker. The subject: "The future of anthropology in the Pacific." It will be held at Queen's Surf, 2709 Kalakaua Ave.

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HAWAIIAN BOTANICAL SOCIETY NEWSLETTER, Honolulu, Hawaii. Published monthly except during the summer months of July, August, and September. Deadline-22nd of each month.
EDITOR . . . . . Alvin K. Chock (Plant Quarantine Div., U.S.D.A. & Bishop Museum)
REPORTERS . . . . Charles H. Lamoureux (University of Hawaii)
Constance Hartt (Haw'n Sugar Planters' Ass'n Experiment Station)
Donald P. Gowing (Pineapple Research Institute)

EXECUTIVE COMMITTEE: President, Charles H. Lamoureux (Univ. Hawaii); Vice-President, Maxwell S. Doty (Univ. Hawaii); Secretary, Alvin K. Chock (U.S.D.A. & B.P.Bishop Museum); Treasurer, William M. Bush (Castle & Cooke, Inc.); Donald P. Gowing (P.R.I.) and Mrs. J. H. Beaumont.
MEMBERSHIP COMMITTEE: Constance Hartt (H.S.P.A. Expt. Sta., 1527 Keeaumoku St., Honolulu 14); chairman; Iichi Yanagihara (P.R.I.) and Haruyuki Kamemoto (U. H.).
DUES: $2.00 per year (Remit to Tresurer, W.M. Bush, P.O. Box 2990, Honolulu 2).

R E C E N T P U B L I C A T I O N S :

Cooil, Bruce J., Yoshio Watanabe, Edward T. Fukunaga, and Shigeru Nakata. (Oct.) 1961. Responses to Phosphate in Coffee. H.A.E.S. Tech. Prog. Rpt. 133.

Nishiyama, Ichizo, Kazuma Fujise, Tei Teramura, and Tsukasa Miyazaki. 1961. Studies of sweet potato and its related species. I. Comparative investigations on the chromosome numbers and the main characters of Ipomoea species in section Batatas. Jap. Jour. Breed. 11(1):37-43. II. Physiological and ecological characters of K123 (Ipomoea trifida (H.B.K.) G.Don.). Jap. Jour. Breed. 11(4): 261-268.

Yen, Douglas E. (July 1) 1961. Evolution of the sweet potato (Ipomoea batatas (L.) Lam.). Nature 191(4783):93-94.

C A C T U S A N D S U C C U L E N T S H O W

The Friends of Foster Garden are sponsoring a cactus and succulent show which will be held on May 1 and 2 (Tuesday and Wednesday) at the Japanese Chamber of Commerce, 2454 South Beretania Street. Anyone may enter and register exhibits on April 30 (7-9 p.m.) and May 1 (7:30-9:00 a.m.). Entries must be removed on May 2 (5-7 p.m.). The divisions (there are several categories for each, according to kind and type) are horticultural (potted plants; no cans accepted), decorative (cut plant materials), junior (exhibitors 14 years old or under), and professional decorative (not competitive). Judging will begin at 10:30 a.m., May 1. For further information, call Foster Garden (59-373).
This organization will hold its annual meeting and dinner on June 18 at the Ala Moana Banquet Hall.

B I S H O P M U S E U M A S S O C I A T I O N tenth annual meeting will be held on Tuesday, May 8, at 8 p.m. in Bishop Hall, Bishop Museum Grounds. On the agenda will be the report on Association progress, election of officers, and a talk entitled "Stone Age Entomologists" by Dr. Laurence W. Quate, Entomologist.

D O C T O R O F S C I E N C E degrees were awarded to five Honolulu residents by the University of Hawaii on April 12 during the celebration of the University's 55th anniversary and the 100th anniversary of the Morrill Act (establishing the land grant college program). Included were three Society members: Joseph F. C. Rock, Professor of Botany at the College of Hawaii from 1911 to 1919, author of numerous botanical monographs and revisions, and lobelia specialist; Leonard D. Baver, director of the Hawaiian Sugar Planters' Association Experiment Station since 1948; and Robert L. Cushing, director of the Pineapple Research Institute since 1953, and Vice-President of the Pineapple Growers' Association of Hawaii.

HAWAIIAN BOTANICAL SOCIETY

NAME _____ Date _____ 196__
(Please print or type)

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(Include firm/institution name)

TELEPHONE: (Residence) _____ (Business) _____

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PREVIOUS EMPLOYMENT:

Position	Firm/Institution	Years (date)

EDUCATION:

School and Address	Degree	Years (date)

FIELDS OF INTEREST: _____

CURRENT RESEARCH PROJECT(S): _____

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS: _____

DATE JOINED SOCIETY: _____
(Month) (Year)

REMARKS:

SIGNATURE _____
Please return completed form to the Society Secretary.

HORTICULTURE DEPARTMENT SEMINARS:
Henke Hall 224 (Conference Room), University of Hawaii on Thursdays at 11:10 a.m. April 26 -"Factors influencing flower bud initiation and fruit setting in fruit trees", by Mr. Pairoj Pholprasid, AID student from Thailand; May 3 - "Major fruit crops of the Philippines," by Mr. Nestor V. Magalona, East-West Center Student from the P.I.; May 10 - "Mosaic diseases of corn," by Mr. Flaviano A. Aquilizan, East-West Center student from the P.I.; May 17 - "Chemical basis of plant antagonism" by Mr. John T. Kunisaki, Research Assistant; May 24 - "Carbohydrate composition of papaya fruit," by Mr. Yousif Abuzeid, AID student from Sudan; and May 31 - "Coffee research in Hawaii", by Dr. R. A. Hamilton, Professor of Horticulture.

WANDERING BOTANISTS & PLANT COLLECTING - - -

Our treasurer, Bill Bush, is now taking a breather from his duties at Castle & Cooke, Inc. He's been on the South Pacific cruise, with a month in Australia, and returns the middle of May.

Mrs. J. E. Beaumont is spending several weeks in the Bahamas - - to look at orchids and other tropical plants.

The University's Botany Department took advantage of the Easter vacation - - Dr. Gladys Baker (Visiting Professor) continued her population studies of aquatic fungi at Montana State University's Flathead Lake Biological Station, at the foot of the Rockies. Dr. & Mrs. Vladimir Krajina, and Vladimir, Jr. botanized on the island of Maui, including Puu Kukui and the northeast slopes of Haleakala. A five-some went to the island of Hawaii - - Dr. Max (and Mrs. Meng) Doty made 24 hour observations of temperature variations and incident sunlight energy at different elevations, distances from the ocean, and depths within lava flows at the 1955 Kohena lava flows in Puna, while Dr. Charlie Lamoureux, wife Flo, and Mr. Didin Sastrapradja (from Bogor, Indonesia) collected Metrosideros ('ohi'a-lehua) woods from different ecological habitats, including different dated lava flows to study the wood structure.

Collections made for botanists to study: Dr. Hubert Frings (Zoology Dept., Univ. Hawaii) collected vascular plants, mosses, and algae from Sand and Eastern Islands, Midway, for Dr. Charles Lamoureux. Dean C. Hamilton (Plant Quarantine Div., A.R.S., U.S.D.A.) collected vascular plants for Alvin K. Chock during his entomological survey of Christmas Island.

Dr. Vladimir J. Krajina, Visiting Professor of Botany at the University, will be the speaker at the June meeting. He will presented an illustrated discussion on the bio-geo-climatic zones in the Hawaiian Islands.
He presented a discussion on the three species of the genus Mascarena, at the last meeting. All three species, planted on the University campus about 1920 by Dr. Joseph F. C. Rock, are found here - - - These bottle shaped palms, natives of the Mascarene Islands, are M. langenicaulis, M. verschaffeldtii, and M. revanghanii. Two of them were described as new species in 1942 by Bailey.

PLANTS DONATED TO UNIVERSITY

Dr. Joseph F. C. Rock, former Professor of Botany, College of Hawaii (1911-19), donated 80 different kinds of plants to the University of Hawaii. These plants -- both native Hawaiian and exotic -- have been grown by Dr. Rock in the gardens and greenhouses at the A. Lester Marks residence in Nuuanu valley. They include the following species: Hibiscus Brackenridgei, H. waimeae, H. Rockii, Tetraplansandra hawaiiensis, Pittosporum Hosmeri, Markhamia Hillebrandtii, Sapindus saporina var. Thurstonii, and Gardenia Brighamii. A committee will be appointed to ensure proper location and care of the plants on the campus.

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F I F T H H A W A I I A N S C I E N C E F A I R W I N N E R S

The following won the Hawaiian Botanical Society awards at the Fifth Hawaiian Science Fair: Senior Division - "Hormones in Plants", by Karen Maeda, 16, a tenth grader at Waianae High School. Intermediate Division - "Euglenoid color preferences", by Arthur Yonemoto, 14, student at Iao School (Maui).

F O S T E R G A R D E N

The Society has received a copy of a letter from the Friends of Foster Garden to the Mayor and members of the City Council. The letter indicates that a two acre parcel of land at the mauka-ewa corner of Nuuanu Avenue and Vineyard Thorofare is available for purchase from the Honolulu Redevelopment Agency. The Friends of Foster Garden are urging the City to acquire this parcel for the expansion of Foster Garden. It is pointed out that this is the last parcel of land contiguous to the Garden which will be available. Members of the Botanical Society are urged to write the Mayor or the City Council expressing their views on this matter.

Alvin K. Chock, Secretary
Hawaiian Botanical Society
2812-4 Loialoha Avenue
Honolulu 16, Hawaii

HONOLULU HAWAII APR 30 '62 04 PB METER P.O. 371242

FIRST CLASS

Dr. Joseph F. Rock
P. O. Box 497
Honolulu 9, Hawaii

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